Surface Science 243 (1991) 374–376
North-Holland

Author index

Andersen, J.E.T., Matrix-effect correction in oxide crystal Auger electron spectroscopy 243 (1991) 337

Banse, B.A., see Wickham 243 (1991) 83
Bothe, F., see Heinz 243 (1991) L70
Braun, W., see Henle 243 (1991) 141
Brenten, H., H. Müller, K.H. Knorr, D. Kruse, H. Schall and V. Kempter, The role of Auger processes in slow collisions of Li^+ ions with cesiated W(110) surfaces 243 (1991) 309
Bunton, P.H., R.F. Haglund, Jr. and N.H. Tolk, Photon-stimulated desorption of excited alkali atoms from alkali halides following core-level excitation 243 (1991) 227

Cherif, S.M., J.-P. Lacharme and C.A. Sébenne, Surface properties of Si(111)-7×7 upon NH_3 adsorption and vacuum annealing 243 (1991) 113
Chung, Y.W., see Parrill 243 (1991) 96
Czernuszka, J.T., see Peng 243 (1991) 210

Deckers, S., see Van de Riet 243 (1991) 49
D'Heurle, F.M., see Terminello 243 (1991) 127
Dijkkamp, D., see Hollering 243 (1991) 121

Elswijk, H.B., see Hollering 243 (1991) 121
Erschbaumer, H., A.J. Freeman, C.L. Fu and R. Podloucky, Surface states, electronic structure and surface energy of the Ag(001) surface 243 (1991) 317

Falta, J., see Heun 243 (1991) 132
Fan, Y., see Zhong 243 (1991) L41
Feenstra, R.M. and M.A. Lutz, Kinetics of the Si(111)$2 \times 1 \rightarrow 5 \times 5$ and 7×7 transformation studied by scanning tunneling microscopy 243 (1991) 151
Feulner, P., see Treichler 243 (1991) 239
Fichthorn, K.A., E. Gulari and R.M. Ziff, Monte Carlo simulation of the adsorption of CO on Pt(111): thermodynamic considerations for the surface configuration of adsorbed species 243 (1991) 273
Frank, K.-H., see Yannoulis 243 (1991) 58
Freeman, A.J., see Erschbaumer 243 (1991) 317

Fried, G., see Mazur 243 (1991) 179
Fu, C.L., see Erschbaumer 243 (1991) 317
Füstöss, L., see Varga 243 (1991) 23

Girardet, C., see Hoang 243 (1991) 361
Goodman, F.O., see Ruiz-Suarez 243 (1991) 219
Graham, W.R., see Smith 243 (1991) L37
Gulari, E., see Fichthorn 243 (1991) 273

Habraken, F.H.P.M., see Van de Riet 243 (1991) 49
Haglund, Jr., R.F., see Bunton 243 (1991) 227
Hanrieder, W., A. Scholz and H. Meixner, Scanning tunneling microscopy investigations of platinum-covered Ga_2O_3 thin-film supported catalysts 243 (1991) 166
Hayden, B.E. and C.L.A. Lamont, Vibrational and translational energy partition and the barrier to dissociative H_2 and D_2 adsorption on Cu(110) 243 (1991) 31
Head, J.D., see Meehan 243 (1991) L55
Heinz, K., U. Starke and F. Bothe, DLEED and LEED as local probes for surface structures 243 (1991) L70
Henle, W.A., M.G. Ramsey, F.P. Netzer, S. Witzel and W. Braun, The gadolinium–Si(100)2×1 interface 243 (1991) 141
Henzler, M., see Heun 243 (1991) 132
Heun, S., J. Falta and M. Henzler, The initial stages of epitaxial growth of silicon on Si(100)-2×1 243 (1991) 132
Hipps, K.W., see Mazur 243 (1991) 179
Hoang, P.N.M. and C. Girardet, Surface wave dynamics for a substrate with an adlayer 243 (1991) 361
Hoffbauer, M.A., see Taylor 243 (1991) 65
Hollering, R.W.J., D. Dijkkamp and H.B. Elswijk, Optical second-harmonic generation on a vicinal Si(111) surface 243 (1991) 121
Horn, T.C.M., see Van Slooten 243 (1991) 12
Hrbek, J., see Sinniah 243 (1991) L67
Hsu, T. and Y. Kim, Reconstruction of the α-$Al_2O_3(11\bar{2}0)$ surfaces 243 (1991) L63
Huang, H., see Tong 243 (1991) L46

Il'chenko, L.G., Electrostatic interaction of charges on a semiconductor surface 243 (1991) 334

Janda, K.C., see Sinniah 243 (1991) L67

Elsevier Science Publishers B.V. (North-Holland)

Kato, T. and M. Nakayama, Effect of nonorthogonality of atomic orbitals on the bonding character of random adsorbate–surface systems 243 (1991) 350
Kempter, V., see Brenten 243 (1991) 309
Kim, Y., see Hsu 243 (1991) L63
Kleyn, A.W., see Van Slooten 243 (1991) 12
Knorr, K.H., see Shirazi 243 (1991) 303
Knorr, K.H., see Brenten 243 (1991) 309
Koch, E.E., see Yannoulis 243 (1991) 58
Koch, T., see Sokolowski 243 (1991) 261
Koel, B.E., see Wickham 243 (1991) 83
Kruse, D., see Brenten 243 (1991) 309
Kundrotas, P.J., see Zubkus 243 (1991) 295

Lacharme, J.-P., see Cherif 243 (1991) 113
Lamont, C.L.A., see Hayden 243 (1991) 31
Larson, S.A., see Lauderback 243 (1991) 323
Lauderback, L.L., A.J. Lynn, C.J. Waltman and S.A. Larson, The bonding site location of chemisorbed oxygen on Al(100) from angle resolved secondary ion mass spectrometry 243 (1991) 323
Lehmpfuhl, G., see Uchida 243 (1991) 193
Li, C.F., see Zhong 243 (1991) L41
Liao, X.B., see Zhong 243 (1991) L41
Lutz, M.A., see Feenstra 243 (1991) 151
Lynn, A.J., see Lauderback 243 (1991) 323

Magnusson, K.O., see Nicholls 243 (1991) L31
Masel, R.I., see Wang 243 (1991) 199
Mason, B.F. and B.R. Williams, Adsorption and desorption of H atoms on InSb(001) as viewed by LEED and He atom scattering 243 (1991) L74
Mason, B.F. and B.R. Williams, Growth and recovery of α-Sn on InSb(001) using He scattering and LEED 243 (1991) 1
Mazur, U., G. Fried and K.W. Hipps, Deposited metal films for imaging in scanning tunneling microscopy 243 (1991) 179
McFeely, F.R., see Terminello 243 (1991) 127
Meehan, T.E. and J.D. Head, A theoretical comparison of CO bonding on the Fe(100) surface 243 (1991) L55
Meixner, H., see Hanrieder 243 (1991) 166
Menzel, D., see Treichler 243 (1991) 239
Molotkov, S.N., see Zubkus 243 (1991) 295
Mou, S.M., see Zhong 243 (1991) L41
Muenchausen, R.E., see Taylor 243 (1991) 65
Müller, H., see Brenten 243 (1991) 309

Nagaev, E.L., Equilibrium properties of small particles at their ultralow vapour pressures 243 (1991) 252
Nakayama, M., see Kato 243 (1991) 350
Netzer, F.P., see Henle 243 (1991) 141
Nicholls, J.M., K.O. Magnusson and B. Reihl, Electronic structure of the InP(110) surface: an inverse photoemission study 243 (1991) L31
Niehaus, A., see Van de Riet 243 (1991) 43
Niehaus, A., see Van de Riet 243 (1991) 49

Parrill, T.M. and Y.W. Chung, Surface analysis of cubic silicon carbide (001) 243 (1991) 96
Pei-Lin, Cao, see Ru-Hong 243 (1991) L49
Peng, L.-M. and J.T. Czernuszka, Studies on the etching and annealing behaviour of α-$Al_2O_3(\bar{1}012)$ surfaces by reflection electron microscopy 243 (1991) 210
Pfnür, H., see Sokolowski 243 (1991) 261
Plummer, E.W., see Smith 243 (1991) L37
Podloucky, R., see Erschbaumer 243 (1991) 317

Ramsey, M.G., see Henle 243 (1991) 141
Reihl, B., see Nicholls 243 (1991) L31
Riedl, W., see Treichler 243 (1991) 239
Ru-Hong, Zhou and Cao Pei-Lin, Theoretical study of CN chemisorbed on the Pd(111) surface 243 (1991) L49
Ruiz-Suarez, J.C., M.C. Vargas, F.O. Goodman and G. Scoles, Zero-order desorption of Xe from (0001) graphite: an experimental study and a theoretical model 243 (1991) 219

Sands, W.D., see Sinniah 243 (1991) L67
Schall, H., see Brenten 243 (1991) 309
Scholz, A., see Hanrieder 243 (1991) 166
Scoles, G., see Ruiz-Suarez 243 (1991) 219
Sébenne, C.A., see Cherif 243 (1991) 113
Shirazi, A.R.B. and K.H. Knorr, CH_3Cl mono- and submonolayers physisorbed on graphite 243 (1991) 303
Sinniah, K., W.D. Sands, J. Hrbek, J.T.Yates, Jr. and K.C. Janda, Isotope mixing between chemisorbed CO molecules on a K promoted Ni(111) surface: an LITD study 243 (1991) L67
Smith, A.J., W.R. Graham and E.W. Plummer, Coverage measurements of the Si(100)2×1 : Cs and Si(100)-2×1 : K surfaces: resolution of structural models 243 (1991) L37
Sokolowski, M., T. Koch and H. Pfnür, Ordered structures and phase diagram of atomic hydrogen chemisorbed on ruthenium (001) 243 (1991) 261
Starke, U., see Heinz 243 (1991) L70

Tatarskij, V.V., see Zubkus 243 (1991) 295
Taylor, T.N., R.E. Muenchausen and M.A. Hoffbauer, The structure and

morphology of Ag film growth on Cu(110) 243 (1991) 65
Terminello, L.J., J.A. Yarmoff, F.M. d'Heurle and F.R. McFeely, Pressure dependence of oxide growth rate on silicon and metal silicides 243 (1991) 127
Tolk, N.H., see Bunton 243 (1991) 227
Tong, S.Y. and H. Huang, The registry of honeycombs in the structure of Si(111)($\sqrt{3} \times \sqrt{3}$)R30°-Ag 243 (1991) L46
Tornau, E.E., see Zubkus 243 (1991) 295
Treichler, R., W. Riedl, P. Feulner and D. Menzel, Core excitation-induced photodesorption of molecular and fragment ions from NO on Ru(001) 243 (1991) 239

Uchida, Y. and G. Lehmpfuhl, Estimation of ad-vacancy formation energy on the Pt(111) surface by using reflection electron microscopy 243 (1991) 193

Van de Riet, E. and A. Niehaus, Application of low energy neutral ionization spectroscopy for surface structure analysis 243 (1991) 43
Van de Riet, E., S. Deckers, F.H.P.M. Habraken and A. Niehaus, The atomic surface structure of $Pt_{0.5}Ni_{0.5}$(111) 243 (1991) 49
Van Slooten, U., T.C.M. Horn and A.W. Kleyn, Angular distributions and charge exchange in Na scattering from clean and Cs covered Ag(111) 243 (1991) 12
Varga, G. and L. Füstöss, Atomic scattering computations by the hard corrugated wall model for symmetrical experimental arrangements 243 (1991) 23
Vargas, M.C., see Ruiz-Suarez 243 (1991) 219

Waltman, C.J., see Lauderback 243 (1991) 323
Wang, D.W., see Zhong 243 (1991) L41
Wang, J. and R.I. Masel, Methanol adsorption and decomposition on (2 × 1)Pt(110): enhanced stability of the methoxy intermediate on a stepped surface 243 (1991) 199
Wickham, D.T., B.A. Banse and B.E. Koel, Adsorption of nitrogen dioxide and nitric oxide on Pd(111) 243 (1991) 83
Williams, B.R., see Mason 243 (1991) L74
Williams, B.R., see Mason 243 (1991) 1
Witzel, S., see Henle 243 (1991) 141

Yannoulis, P., K.-H. Frank and E.E. Koch, Azimuthal orientation of tetracene adsorbed on Cu(110) single crystal surfaces 243 (1991) 58
Yarmoff, J.A., see Terminello 243 (1991) 127
Yates, Jr., J.T., see Sinniah 243 (1991) L67

Zhong, Z.T., D.W. Wang, X.B. Liao, S.M. Mou, Y. Fan and C.F. Li, Photoemission study of the interfacial formation process and reactions between Al and hydrogenated amorphous Si 243 (1991) L41
Ziff, R.M., see Fichthorn 243 (1991) 273
Zubkus, V.E., P.J. Kundrotas, S.N. Molotkov, V.V. Tatarskij and E.E. Tornau, Monte Carlo study of surface reconstruction in Ge(001) 243 (1991) 295

Surface Science 243 (1991) 377–383
North-Holland

Subject index

Alkali halides

P.H. Bunton, R.F. Haglund, Jr. and N.H. Tolk, Photon-stimulated desorption of excited alkali atoms from alkali halides following core-level excitation 243 (1991) 227

Alkali metals

A.J. Smith, W.R. Graham and E.W. Plummer, Coverage measurements of the Si(100)2 × 1 : Cs and Si(100)-2 × 1 : K surfaces: resolution of structural models 243 (1991) L37

K. Sinniah, W.D. Sands, J. Hrbek, J.T.Yates, Jr. and K.C. Janda, Isotope mixing between chemisorbed CO molecules on a K promoted Ni(111) surface: an LITD study 243 (1991) L67

U. van Slooten, T.C.M. Horn and A.W. Kleyn, Angular distributions and charge exchange in Na scattering from clean and Cs covered Ag(111) 243 (1991) 12

H. Brenten, H. Müller, K.H. Knorr, D. Kruse, H. Schall and V. Kempter, The role of Auger processes in slow collisions of Li^+ ions with cesiated W(110) surfaces 243 (1991) 309

Alloys

E. van de Riet, S. Deckers, F.H.P.M. Habraken and A. Niehaus, The atomic surface structure of $Pt_{0.5}Ni_{0.5}(111)$ 243 (1991) 49

Aluminium

Z.T. Zhong, D.W. Wang, X.B. Liao, S.M. Mou, Y. Fan and C.F. Li, Photoemission study of the interfacial formation process and reactions between Al and hydrogenated amorphous Si 243 (1991) L41

L.L. Lauderback, A.J. Lynn, C.J. Waltman and S.A. Larson, The bonding site location of chemisorbed oxygen on Al(100) from angle resolved secondary ion mass spectrometry 243 (1991) 323

Aluminium oxide

T. Hsu and Y. Kim, Reconstruction of the α-$Al_2O_3(11\bar{2}0)$ surfaces 243 (1991) L63

L.-M. Peng and J.T. Czernuszka, Studies on the etching and annealing behaviour of α-$Al_2O_3(\bar{1}012)$ surfaces by reflection electron microscopy 243 (1991) 210

Ammonia

S.M. Cherif, J.-P. Lacharme and C.A. Sébenne, Surface properties of Si(111)-7 × 7 upon NH_3 adsorption and vacuum annealing 243 (1991) 113

Atomic and molecular beam studies

B.F. Mason and B.R. Williams, Adsorption and desorption of H atoms on InSb(001) as viewed by LEED and He atom scattering 243 (1991) L74

B.F. Mason and B.R. Williams, Growth and recovery of α-Sn on InSb(001) using He scattering and LEED 243 (1991) 1

U. van Slooten, T.C.M. Horn and A.W. Kleyn, Angular distributions and charge exchange in Na scattering from clean and Cs covered Ag(111) 243 (1991) 12

G. Varga and L. Füstöss, Atomic scattering computations by the hard corrugated wall model for symmetrical experimental arrangements 243 (1991) 23

B.E. Hayden and C.L.A. Lamont, Vibrational and translational energy partition and the barrier to dissociative H_2 and D_2 adsorption on Cu(110) 243 (1991) 31

Auger electron spectroscopy

T.N. Taylor, R.E. Muenchausen and M.A. Hoffbauer, The structure and morphology of Ag film growth on Cu(110) 243 (1991) 65

T.M. Parrill and Y.W. Chung, Surface analysis of cubic silicon carbide (001) 243 (1991) 96

J.E.T. Andersen, Matrix-effect correction in oxide crystal Auger electron spectroscopy 243 (1991) 337

Elsevier Science Publishers B.V. (North-Holland)

Band structure

J.M. Nicholls, K.O. Magnusson and B. Reihl, Electronic structure of the InP(110) surface: an inverse photoemission study 243 (1991) L31

Carbon monoxide

T.E. Meehan and J.D. Head, A theoretical comparison of CO bonding on the Fe(100) surface 243 (1991) L55

K. Sinniah, W.D. Sands, J. Hrbek, J.T.Yates, Jr. and K.C. Janda, Isotope mixing between chemisorbed CO molecules on a K promoted Ni(111) surface: an LITD study 243 (1991) L67

K.A. Fichthorn, E. Gulari and R.M. Ziff, Monte Carlo simulation of the adsorption of CO on Pt(111): thermodynamic considerations for the surface configuration of adsorbed species 243 (1991) 273

Chemisorption theory

Zhou Ru-Hong and Cao Pei-Lin, Theoretical study of CN chemisorbed on the Pd(111) surface 243 (1991) L49

T.E. Meehan and J.D. Head, A theoretical comparison of CO bonding on the Fe(100) surface 243 (1991) L55

T. Kato and M. Nakayama, Effect of nonorthogonality of atomic orbitals on the bonding character of random adsorbate–surface systems 243 (1991) 350

Clusters

E.L. Nagaev, Equilibrium properties of small particles at their ultralow vapour pressures 243 (1991) 252

Copper

B.E. Hayden and C.L.A. Lamont, Vibrational and translational energy partition and the barrier to dissociative H_2 and D_2 adsorption on Cu(110) 243 (1991) 31

E. van de Riet and A. Niehaus, Application of low energy neutral ionization spectroscopy for surface structure analysis 243 (1991) 43

P. Yannoulis, K.-H. Frank and E.E. Koch, Azimuthal orientation of tetracene adsorbed on Cu(110) single crystal surfaces 243 (1991) 58

T.N. Taylor, R.E. Muenchausen and M.A. Hoffbauer, The structure and morphology of Ag film growth on Cu(110) 243 (1991) 65

Deuterium

B.E. Hayden and C.L.A. Lamont, Vibrational and translational energy partition and the barrier to dissociative H_2 and D_2 adsorption on Cu(110) 243 (1991) 31

Electron emission

H. Brenten, H. Müller, K.H. Knorr, D. Kruse, H. Schall and V. Kempter, The role of Auger processes in slow collisions of Li^+ ions with cesiated W(110) surfaces 243 (1991) 309

Electron energy loss spectroscopy

D.T. Wickham, B.A. Banse and B.E. Koel, Adsorption of nitrogen dioxide and nitric oxide on Pd(111) 243 (1991) 83

T.M. Parrill and Y.W. Chung, Surface analysis of cubic silicon carbide (001) 243 (1991) 96

J. Wang and R.I. Masel, Methanol adsorption and decomposition on (2×1)Pt(110): enhanced stability of the methoxy intermediate on a stepped surface 243 (1991) 199

Electron microscopy

T. Hsu and Y. Kim, Reconstruction of the α-$Al_2O_3(11\bar{2}0)$ surfaces 243 (1991) L63

U. Mazur, G. Fried and K.W. Hipps, Deposited metal films for imaging in scanning tunneling microscopy 243 (1991) 179

Y. Uchida and G. Lehmpfuhl, Estimation of ad-vacancy formation energy on the Pt(111) surface by using reflection electron microscopy 243 (1991) 193

L.-M. Peng and J.T. Czernuszka, Studies on the etching and annealing behaviour of α-$Al_2O_3(\bar{1}012)$ surfaces by reflection electron microscopy 243 (1991) 210

Epitaxy

S. Heun, J. Falta and M. Henzler, The initial stages of epitaxial growth of silicon on Si(100)-2×1 243 (1991) 132

Etching

L.-M. Peng and J.T. Czernuszka, Studies on the etching and annealing behaviour of α-$Al_2O_3(\bar{1}012)$ surfaces by reflection electron microscopy 243 (1991) 210

Germanium

V.E. Zubkus, P.J. Kundrotas, S.N. Molotkov, V.V. Tatarskij and E.E. Tornau, Monte Carlo study of surface reconstruction in Ge(001) 243 (1991) 295

Gold

E. van de Riet and A. Niehaus, Application of low energy neutral ionization spectroscopy for surface structure analysis 243 (1991) 43

U. Mazur, G. Fried and K.W. Hipps, Deposited metal films for imaging in scanning tunneling microscopy 243 (1991) 179

Graphite

J.C. Ruiz-Suarez, M.C. Vargas, F.O. Goodman and G. Scoles, Zero-order desorption of Xe from (0001) graphite: an experimental study and a theoretical model 243 (1991) 219

A.R.B. Shirazi and K.H. Knorr, CH_3Cl mono- and submonolayers physisorbed on graphite 243 (1991) 303

Hydrogen

B.F. Mason and B.R. Williams, Adsorption and desorption of H atoms on InSb(001) as viewed by LEED and He atom scattering 243 (1991) L74

B.E. Hayden and C.L.A. Lamont, Vibrational and translational energy partition and the barrier to dissociative H_2 and D_2 adsorption on Cu(110) 243 (1991) 31

M. Sokolowski, T. Koch and H. Pfnür, Ordered structures and phase diagram of atomic hydrogen chemisorbed on ruthenium (001) 243 (1991) 261

Indium antimonide

B.F. Mason and B.R. Williams, Adsorption and desorption of H atoms on InSb(001) as viewed by LEED and He atom scattering 243 (1991) L74

B.F. Mason and B.R. Williams, Growth and recovery of α-Sn on InSb(001) using He scattering and LEED 243 (1991) 1

Indium phosphide

J.M. Nicholls, K.O. Magnusson and B. Reihl, Electronic structure of the InP(110) surface: an inverse photoemission study 243 (1991) L31

Inorganic compounds

Zhou Ru-Hong and Cao Pei-Lin, Theoretical study of CN chemisorbed on the Pd(111) surface 243 (1991) L49

Ion scattering

A.J. Smith, W.R. Graham and E.W. Plummer, Coverage measurements of the Si(100)2×1 : Cs and Si(100)-2×1 : K surfaces: resolution of structural models 243 (1991) L37

E. van de Riet and A. Niehaus, Application of low energy neutral ionization spectroscopy for surface structure analysis 243 (1991) 43

E. van de Riet, S. Deckers, F.H.P.M. Habraken and A. Niehaus, The atomic surface structure of $Pt_{0.5}Ni_{0.5}(111)$ 243 (1991) 49

H. Brenten, H. Müller, K.H. Knorr, D. Kruse, H. Schall and V. Kempter, The role of Auger processes in slow collisions of Li^+ ions with cesiated W(110) surfaces 243 (1991) 309

Iron

T.E. Meehan and J.D. Head, A theoretical comparison of CO bonding on the Fe(100) surface 243 (1991) L55

Lanthanides

W.A. Henle, M.G. Ramsey, F.P. Netzer, S. Witzel and W. Braun, The gadolinium–Si(100)2×1 interface 243 (1991) 141

Low energy electron diffraction

K. Heinz, U. Starke and F. Bothe, DLEED and LEED as local probes for surface structures 243 (1991) L70
B.F. Mason and B.R. Williams, Adsorption and desorption of H atoms on InSb(001) as viewed by LEED and He atom scattering 243 (1991) L74
B.F. Mason and B.R. Williams, Growth and recovery of α-Sn on InSb(001) using He scattering and LEED 243 (1991) 1
T.N. Taylor, R.E. Muenchausen and M.A. Hoffbauer, The structure and morphology of Ag film growth on Cu(110) 243 (1991) 65
T.M. Parrill and Y.W. Chung, Surface analysis of cubic silicon carbide (001) 243 (1991) 96
S. Heun, J. Falta and M. Henzler, The initial stages of epitaxial growth of silicon on Si(100)-2 × 1 243 (1991) 132
M. Sokolowski, T. Koch and H. Pfnür, Ordered structures and phase diagram of atomic hydrogen chemisorbed on ruthenium (001) 243 (1991) 261

Methanol

J. Wang and R.I. Masel, Methanol adsorption and decomposition on (2 × 1)Pt(110): enhanced stability of the methoxy intermediate on a stepped surface 243 (1991) 199

Nickel

K. Sinniah, W.D. Sands, J. Hrbek, J.T. Yates, Jr. and K.C. Janda, Isotope mixing between chemisorbed CO molecules on a K promoted Ni(111) surface: an LITD study 243 (1991) L67
K. Heinz, U. Starke and F. Bothe, DLEED and LEED as local probes for surface structures 243 (1991) L70
E. van de Riet and A. Niehaus, Application of low energy neutral ionization spectroscopy for surface structure analysis 243 (1991) 43

Nitric oxide

D.T. Wickham, B.A. Banse and B.E. Koel, Adsorption of nitrogen dioxide and nitric oxide on Pd(111) 243 (1991) 83
R. Treichler, W. Riedl, P. Feulner and D. Menzel, Core excitation-induced photodesorption of molecular and fragment ions from NO on Ru(001) 243 (1991) 239

Nitrogen dioxide

D.T. Wickham, B.A. Banse and B.E. Koel, Adsorption of nitrogen dioxide and nitric oxide on Pd(111) 243 (1991) 83

Noble gases

J.C. Ruiz-Suarez, M.C. Vargas, F.O. Goodman and G. Scoles, Zero-order desorption of Xe from (0001) graphite: an experimental study and a theoretical model 243 (1991) 219

Organic substances

P. Yannoulis, K.-H. Frank and E.E. Koch, Azimuthal orientation of tetracene adsorbed on Cu(110) single crystal surfaces 243 (1991) 58
A.R.B. Shirazi and K.H. Knorr, CH_3Cl mono- and submonolayers physisorbed on graphite 243 (1991) 303

Oxides

W. Hanrieder, A. Scholz and H. Meixner, Scanning tunneling microscopy investigations of platinum-covered Ga_2O_3 thin-film supported catalysts 243 (1991) 166
J.E.T. Andersen, Matrix-effect correction in oxide crystal Auger electron spectroscopy 243 (1991) 337

Oxygen

K. Heinz, U. Starke and F. Bothe, DLEED and LEED as local probes for surface structures 243 (1991) L70
L.J. Terminello, J.A. Yarmoff, F.M. d'Heurle and F.R. McFeely, Pressure dependence of oxide growth rate on silicon and metal silicides 243 (1991) 127
L.L. Lauderback, A.J. Lynn, C.J. Waltman and S.A. Larson, The bonding site location of chemisorbed oxygen on Al(100) from angle resolved secondary ion mass spectrometry 243 (1991) 323

Palladium

Zhou Ru-Hong and Cao Pei-Lin, Theoretical study of CN chemisorbed on the Pd(111) surface 243 (1991) L49
D.T. Wickham, B.A. Banse and B.E. Koel, Adsorption of nitrogen dioxide and nitric oxide on Pd(111) 243 (1991) 83
U. Mazur, G. Fried and K.W. Hipps, Deposited metal films for imaging in scanning tunneling microscopy 243 (1991) 179

Photodesorption

P.H. Bunton, R.F. Haglund, Jr. and N.H. Tolk, Photon-stimulated desorption of excited alkali atoms from alkali halides following core-level excitation 243 (1991) 227
R. Treichler, W. Riedl, P. Feulner and D. Menzel, Core excitation-induced photodesorption of molecular and fragment ions from NO on Ru(001) 243 (1991) 239

Photoelectron spectroscopy

Z.T. Zhong, D.W. Wang, X.B. Liao, S.M. Mou, Y. Fan and C.F. Li, Photoemission study of the interfacial formation process and reactions between Al and hydrogenated amorphous Si 243 (1991) L41
P. Yannoulis, K.-H. Frank and E.E. Koch, Azimuthal orientation of tetracene adsorbed on Cu(110) single crystal surfaces 243 (1991) 58
T.M. Parrill and Y.W. Chung, Surface analysis of cubic silicon carbide (001) 243 (1991) 96
L.J. Terminello, J.A. Yarmoff, F.M. d'Heurle and F.R. McFeely, Pressure dependence of oxide growth rate on silicon and metal silicides 243 (1991) 127
W.A. Henle, M.G. Ramsey, F.P. Netzer, S. Witzel and W. Braun, The gadolinium–Si(100)2 × 1 interface 243 (1991) 141

Photon emission

J.M. Nicholls, K.O. Magnusson and B. Reihl, Electronic structure of the InP(110) surface: an inverse photoemission study 243 (1991) L31

Platinum

W. Hanrieder, A. Scholz and H. Meixner, Scanning tunneling microscopy investigations of platinum-covered Ga_2O_3 thin-film supported catalysts 243 (1991) 166
Y. Uchida and G. Lehmpfuhl, Estimation of ad-vacancy formation energy on the Pt(111) surface by using reflection electron microscopy 243 (1991) 193
J. Wang and R.I. Masel, Methanol adsorption and decomposition on (2 × 1)Pt(110): enhanced stability of the methoxy intermediate on a stepped surface 243 (1991) 199
K.A. Fichthorn, E. Gulari and R.M. Ziff, Monte Carlo simulation of the adsorption of CO on Pt(111): thermodynamic considerations for the surface configuration of adsorbed species 243 (1991) 273

Ruthenium

R. Treichler, W. Riedl, P. Feulner and D. Menzel, Core excitation-induced photodesorption of molecular and fragment ions from NO on Ru(001) 243 (1991) 239
M. Sokolowski, T. Koch and H. Pfnür, Ordered structures and phase diagram of atomic hydrogen chemisorbed on ruthenium (001) 243 (1991) 261

Second harmonic generation

R.W.J. Hollering, D. Dijkkamp and H.B. Elswijk, Optical second-harmonic generation on a vicinal Si(111) surface 243 (1991) 121

Secondary ion mass spectroscopy

L.L. Lauderback, A.J. Lynn, C.J. Waltman and S.A. Larson, The bonding site location of chemisorbed oxygen on Al(100) from angle resolved secondary ion mass spectrometry 243 (1991) 323

Semiconductors

L.G. Il'chenko, Electrostatic interaction of charges on a semiconductor surface 243 (1991) 334

Silicides

L.J. Terminello, J.A. Yarmoff, F.M. d'Heurle and F.R. McFeely, Pressure dependence of oxide growth rate on silicon and metal silicides 243 (1991) 127

Silicon

A.J. Smith, W.R. Graham and E.W. Plummer, Coverage measurements of the Si(100)2 × 1 : Cs and Si(100)-2 × 1 : K surfaces: resolution of structural models 243 (1991) L37

Z.T. Zhong, D.W. Wang, X.B. Liao, S.M. Mou, Y. Fan and C.F. Li, Photoemission study of the interfacial formation process and reactions between Al and hydrogenated amorphous Si 243 (1991) L41

S.Y. Tong and H. Huang, The registry of honeycombs in the structure of Si(111)($\sqrt{3} \times \sqrt{3}$)R30°-Ag 243 (1991) L46

S.M. Cherif, J.-P. Lacharme and C.A. Sébenne, Surface properties of Si(111)-7 × 7 upon NH_3 adsorption and vacuum annealing 243 (1991) 113

R.W.J. Hollering, D. Dijkkamp and H.B. Elswijk, Optical second-harmonic generation on a vicinal Si(111) surface 243 (1991) 121

L.J. Terminello, J.A. Yarmoff, F.M. d'Heurle and F.R. McFeely, Pressure dependence of oxide growth rate on silicon and metal silicides 243 (1991) 127

S. Heun, J. Falta and M. Henzler, The initial stages of epitaxial growth of silicon on Si(100)-2 × 1 243 (1991) 132

W.A. Henle, M.G. Ramsey, F.P. Netzer, S. Witzel and W. Braun, The gadolinium–Si(100)2 × 1 interface 243 (1991) 141

R.M. Feenstra and M.A. Lutz, Kinetics of the Si(111)2 × 1 → 5 × 5 and 7 × 7 transformation studied by scanning tunneling microscopy 243 (1991) 151

Silicon carbide

T.M. Parrill and Y.W. Chung, Surface analysis of cubic silicon carbide (001) 243 (1991) 96

Silver

S.Y. Tong and H. Huang, The registry of honeycombs in the structure of Si(111)($\sqrt{3} \times \sqrt{3}$)R30°-Ag 243 (1991) L46

U. van Slooten, T.C.M. Horn and A.W. Kleyn, Angular distributions and charge exchange in Na scattering from clean and Cs covered Ag(111) 243 (1991) 12

T.N. Taylor, R.E. Muenchausen and M.A. Hoffbauer, The structure and morphology of Ag film growth on Cu(110) 243 (1991) 65

H. Erschbaumer, A.J. Freeman, C.L. Fu and R. Podloucky, Surface states, electronic structure and surface energy of the Ag(001) surface 243 (1991) 317

Surface defects

Y. Uchida and G. Lehmpfuhl, Estimation of ad-vacancy formation energy on the Pt(111) surface by using reflection electron microscopy 243 (1991) 193

Surface phonons and adsorbate vibrations

P.N.M. Hoang and C. Girardet, Surface wave dynamics for a substrate with an adlayer 243 (1991) 361

Surface states and interface states

H. Erschbaumer, A.J. Freeman, C.L. Fu and R. Podloucky, Surface states, electronic structure and surface energy of the Ag(001) surface 243 (1991) 317

Surface structure, see also Low energy electron diffraction

S.Y. Tong and H. Huang, The registry of honeycombs in the structure of Si(111)($\sqrt{3} \times \sqrt{3}$)R30°-Ag 243 (1991) L46

T. Hsu and Y. Kim, Reconstruction of the α-$Al_2O_3(11\bar{2}0)$ surfaces 243 (1991) L63

K. Heinz, U. Starke and F. Bothe, DLEED and LEED as local probes for surface structures 243 (1991) L70

E. van de Riet, S. Deckers, F.H.P.M. Habraken and A. Niehaus, The atomic surface structure of $Pt_{0.5}Ni_{0.5}(111)$ 243 (1991) 49

V.E. Zubkus, P.J. Kundrotas, S.N. Molotkov, V.V. Tatarskij and E.E. Tornau, Monte Carlo study of surface reconstruction in Ge(001) 243 (1991) 295

L.L. Lauderback, A.J. Lynn, C.J. Waltman and S.A. Larson, The bonding site location of chemisorbed oxygen on Al(100) from angle resolved secondary ion mass spectrometry 243 (1991) 323

Surface thermodynamics

E.L. Nagaev, Equilibrium properties of small particles at their ultralow vapour pressures 243 (1991) 252

M. Sokolowski, T. Koch and H. Pfnür, Ordered structures and phase diagram

of atomic hydrogen chemisorbed on ruthenium (001) 243 (1991) 261
K.A. Fichthorn, E. Gulari and R.M. Ziff, Monte Carlo simulation of the adsorption of CO on Pt(111): thermodynamic considerations for the surface configuration of adsorbed species 243 (1991) 273
V.E. Zubkus, P.J. Kundrotas, S.N. Molotkov, V.V. Tatarskij and E.E. Tornau, Monte Carlo study of surface reconstruction in Ge(001) 243 (1991) 295

Thermal desorption

K. Sinniah, W.D. Sands, J. Hrbek, J.T. Yates, Jr. and K.C. Janda, Isotope mixing between chemisorbed CO molecules on a K promoted Ni(111) surface: an LITD study 243 (1991) L67
D.T. Wickham, B.A. Banse and B.E. Koel, Adsorption of nitrogen dioxide and nitric oxide on Pd(111) 243 (1991) 83
J. Wang and R.I. Masel, Methanol adsorption and decomposition on (2×1)Pt(110): enhanced stability of the methoxy intermediate on a stepped surface 243 (1991) 199
J.C. Ruiz-Suarez, M.C. Vargas, F.O. Goodman and G. Scoles, Zero-order desorption of Xe from (0001) graphite: an experimental study and a theoretical model 243 (1991) 219

Thin films

T.N. Taylor, R.E. Muenchausen and M.A. Hoffbauer, The structure and morphology of Ag film growth on Cu(110) 243 (1991) 65

Tin

B.F. Mason and B.R. Williams, Growth and recovery of α-Sn on InSb(001) using He scattering and LEED 243 (1991) 1

Tungsten

U. Mazur, G. Fried and K.W. Hipps, Deposited metal films for imaging in scanning tunneling microscopy 243 (1991) 179
H. Brenten, H. Müller, K.H. Knorr, D. Kruse, H. Schall and V. Kempter, The role of Auger processes in slow collisions of Li^+ ions with cesiated W(110) surfaces 243 (1991) 309

Tunneling

R.M. Feenstra and M.A. Lutz, Kinetics of the Si(111)$2 \times 1 \rightarrow 5 \times 5$ and 7×7 transformation studied by scanning tunneling microscopy 243 (1991) 151
W. Hanrieder, A. Scholz and H. Meixner, Scanning tunneling microscopy investigations of platinum-covered Ga_2O_3 thin-film supported catalysts 243 (1991) 166
U. Mazur, G. Fried and K.W. Hipps, Deposited metal films for imaging in scanning tunneling microscopy 243 (1991) 179

Work function

T.N. Taylor, R.E. Muenchausen and M.A. Hoffbauer, The structure and morphology of Ag film growth on Cu(110) 243 (1991) 65
S.M. Cherif, J.-P. Lacharme and C.A. Sébenne, Surface properties of Si(111)-7×7 upon NH_3 adsorption and vacuum annealing 243 (1991) 113
M. Sokolowski, T. Koch and H. Pfnür, Ordered structures and phase diagram of atomic hydrogen chemisorbed on ruthenium (001) 243 (1991) 261

X-ray diffraction

A.R.B. Shirazi and K.H. Knorr, CH_3Cl mono- and submonolayers physisorbed on graphite 243 (1991) 303